



DATE: March 19, 2004 SHEET 1\_ of 1\_

Form PTO-1449 (Modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)

(37 CFR 1.98 (b))

ATTY. DOCKET NO.

7097.US.01

SERIAL NO.

10/619,532

APPLICANT

Pradip Mukerji &amp; Suzette L. Pereira

FILING DATE

July 15, 2003

GROUP

1645

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE
WWM	A1	6 1 4 0 4 8 6	10/31/2000	Facciotti, et al.			
WWM	A2	6 5 6 6 5 8 3	05/20/2003	Facciotti, et al.			

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLI- CATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB CLASS	TRANS- LATION
							YES NO

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

WWM	C1	Allen, E.E., et al., "Monounsaturated but Not Polyunsaturated Fatty Acids Are Required for Growth of the Deep-Sea Bacterium <i>Photobacterium profundum</i> SS9 at High Pressure and Low Temperature", <i>Appl. And Env. Microbiol.</i> , 65(4):1710-1720 (1999)
WWM	C2	Kendrick, A. & Ralledge, C., "Lipids of Selected Molds Grown for Production of n-3 and n-6 Polyunsaturated Fatty Acids", <i>LIPIDS</i> , 27(1):15-20 (1992)
WWM	C3	Knutzon, D.S., et al., "Identification of 5-Desaturase from <i>Mortierella Alpina</i> by Heterologous Expression in Bakers' Yeast and Canola", <i>J. Biol. Chem.</i> , 273(45):29360-29366 (1998)
WWM	C4	Huang, Y-S., et al., "Cloning of 12- and 6-Desaturases from <i>Mortierella alpina</i> and Recombinant Production of $\gamma$ -Linolenic Acid in <i>Saccharomyces cerevisiae</i> ", <i>Lipids</i> , 34(7):649-659 (1999)
WWM	C5	Metz, J.G., "Production of Polyunsaturated Fatty Acids by Polyketide Synthases in Both Prokaryotes and Eukaryotes", <i>Science</i> , 293:290-293 (2001)
WWM	C6	Monta, N., et al., "Cloning and sequencing of clustered genes involved in fatty acid biosynthesis from the docosahexaenoic acid-producing bacterium, <i>Vibrio marinus</i> strain MP-1", <i>Biotechnology Letters</i> , 21:641-646 (1999)
WWM	C7	Parker-Barnes, J. M., et al., "Identification and characterization of an enzyme involved in the elongation of n-6 and n-3 polyunsaturated fatty acids", <i>PNAS</i> , 97(15):8284-8289 (2000)
WWM	C8	Qiu, X., et al., "Identification of a 4 Fatty Acid Desaturase from <i>Thraustochytrium</i> sp. Involved in the Biosynthesis of Docosahexanoic Acid by Heterologous Expression in <i>Saccharomyces cerevisiae</i> and <i>Brassica juncea</i> ", <i>J. Biol. Chem.</i> , 276(34):31561-31566 (2001)
WWM	C9	Tanaka, M., et al., "Isolation of clustered genes that are notably homologous to the eicosapentaenoic acid biosynthesis gene cluster from the docosahexaenoic acid-producing bacterium <i>Vibrio marinus</i> strain MP-1", <i>Biotechnol. Ltrs.</i> , 21:939-945 (1999)
WWM	C10	Watanabe, K., et al., "Fatty Acid Synthesis of an Eicosapentaenoic Acid-Producing Bacterium: <i>De Novo</i> Synthesis, Chain Elongation, and Desaturation Systems", <i>J. Biochem.</i> , 122(2):467-473 (1997)
WWM	C11	Yazawa, K., "Production of Eicosapentaenoic Acid from Marine Bacteria", <i>Lipids</i> , 31(Suppl):S297-S300 (1996)

EXAMINER

/William W. Moore/

DATE CONSIDERED

05/23/2006

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449)



Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

### Complete If Known

Application Number	10/619,532
Filing Date	July 15, 2003
First Named Inventor	Mukerji et al.
Art Unit	
Examiner Name	
Attorney Docket Number	

Sheet 1 of 1

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
WWM	1	US-2002/0194641	12/19/2002	Metz et al.	
WWM	2	US-2002/0194641	12/19/2002	Metz et al.	Redacted

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>2</sup> ; Number <sup>2</sup> ; Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		PCT -				
		-				

### OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

Examiner Initials*	Cite No. <sup>1</sup>	

Examiner Signature	/William W. Moore/	Date Considered	05/23/2006
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\*EXAMINER: Initial if reference is considered, whether or not citation is in conformance and not considered. Include copy of this form with next communication to applicant.